

PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO

Complete If Known

Application Number	10/629933
Filing Date	July 29, 2003
First Named Inventor	Diana Clarke
Art Unit	1645
Examiner Name	Not Yet Assigned

Sheet

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of

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Attorney Docket Number

ESCL-P01-124

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
LCR	AA	6,326,201-B1	12-04-2001	Fung et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
LCR	AB	WO 95/18856-A1	07-13-1995	Harvard College		
	AC	WO 96/17924-A2	06-13-1996	Johns Hopkins University		
✓	AD	WO 00/47720-A2	08-17-2000	Ontogeny, Inc.		
	AE	WO 02/12452-A2	02-14-2002	Curis, Inc.		

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
LCR	AF	Abraham, E.J. et al. Insulinotropic Hormone Glucagon-Like Peptide-1 Differentiation of Human Pancreatic Islet-Derived Progenitor Cells into Insulin-Producing Cells. Endocrinol 143(8), 3152-3161 (2002).	
	AG	Ahlgren, U. et al. The morphogenesis of the pancreatic mesenchyme is uncoupled from that of the pancreatic epithelium in IPF1/PDX1-deficient mice. Development 122, 1409-1416 (1996).	
	AH	Apelqvist, A. et al. Sonic hedgehog directs specialized mesoderm differentiation in the intestine and pancreas. Curr. Biol. 7, 801-804 (1997).	
	AI	Aziz, A. and Anderson, G.H. Exendin-4, a GLP-1 Receptor Agonist, Modulates the Effect of Macronutrients on Food Intake by Rats. J. Nutr. 132, 990-995 (2002).	
	AJ	Bonner-Weir, S. et al. A Second Pathway for Regeneration of Adult Exocrine and Endocrine Pancreas. Diabetes 42, 1715-1720 (Dec. 1993).	
	AK	Bosco, D. et al. Homologous but Not Heterologous Contact Increases the Insulin Secretion of Individual Pancreatic B-Cells. Exp. Cell Res. 184, 72-80 (1989).	
	AL	de Kretser, D.M. et al. Inhibins, activins and follistatin in reproduction. Human Reprod. Update 8(6), 529-541 (2002).	
	AM	Dell, G. et al. Regulation of a promoter from the mouse insulin like growth factor II gene by glucocorticoids. FEBS Letters 419, 161-165 (1997).	
	AN	Doyle, M.E. and Egan, J.M. Glucagon-Like Peptide-1. Recent Prog. Horm. Res. 56, 377-399 (2001).	

Examiner Signature	LanLiao	Date Considered	8/4/04
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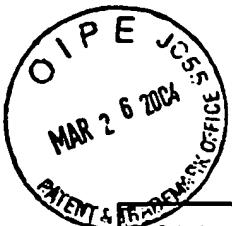
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AO	Edlund, H. Transcribing Pancreas. Diabetes 47, 1817-1823 (Dec. 1998).
AP	Edlund, H. Developmental Biology of the Pancreas. Diabetes 50 (Supp.1), S5-S9 (Feb. 2001).
AQ	Egan, J.M. et al. The Insulinotropic Effect of Acute Exendin-4 Administered to Humans: Comparison of Nondiabetic State to Type 2 Diabetes. J. Clin. Endocrinol. Metab. 87(3), 1282-1290 (2002).
AR	Elghazi, L. et al. Role for FGR2IIIb-mediated signals in controlling pancreatic endocrine progenitor cell proliferation. PNAS 99(6), 3884-3889 (19 March 2002).
AS	Fernandes, A. et al. Differentiation of New Insulin-Producing Cells is Induced by Injury in Adult Pancreatic Islets. Endocrinol. 138(4), 1750-1762 (1997).
AT	Finley, M.F.A. et al. Synapse Formation and Establishment of Neuronal Polarity by P19 Embryonic Carcinoma Cells and Embryonic Stem Cells. J. Neurosci. 16(3), 1056-1065 (1 Feb. 1996).
AU	Gaddy-Kurten, D. et al. Inhibition Suppresses and Activin Stimulates Osteoblastogenesis and Osteoclastogenesis in Murine Bone Marrow Cultures. Endocrinol. 143(1), 74-83 (2002).
AV	Githens, S. and Whelan, J.F. Isolation and Culture of Hamster Pancreatic Ducts. J. Tissue Culture Methods 8(3), 97-102 (1983).
AW	Githens, S. et al. Biochemical and Histochemical Characterization of Cultured Rat and Hamster Pancreatic Ducts. Pancreas 2(4), 427-438 (1987).
AX	Githens, S. The Pancreatic Duct Cell: Proliferative Capabilities, Specific Characteristics, Metaplasia, Isolation, and Culture. J. Ped. Gastroenterol. Nutr. 7, 486-506 (1988).
AY	Kaczorowski, D.J. et al. Glucose-responsive insulin-producing cells from stem cells. Diabetes Metab. Res. Rev. 18, 442-450 (2002).
AZ	Korbutt, G.S. et al. Islet Transplantation. Adv. Exp. Med. Biol. 426, 397-410 (1997).
BA	Lambillotte, C. et al. Direct Glucocorticoid Inhibition of Insulin Secretion. J. Clin. Invest. 99, 414-423 (1997).
BB	Lampeter, E.F. et al. Regeneration of Beta-cells in Response to Islet Inflammation. Exp. Clin. Endocrinol. 103, 74-78 (1995).
BC	Lumelsky, N. et al. Differentiation of Embryonic Stem Cells to Insulin-Secreting Structures Similar to Pancreatic Islets. Science 292, 1389-1394 (18 May 2001).
BD	Madsen, O.D. et al. Pancreatic development and maturation of the islet B cell Studies of pluripotent islet cultures. Eur. J. Biochem. 242, 435-445 (1996).
BE	Maldonado, T.S. et al. Ontogeny of Activin B and Follistatin in Developing Embryonic Mouse Pancreas: Implications for Lineage Selection. J. Gastrointest. Surg. 4, 269-275 (2000).

Examiner Signature		Date Considered	8/4/06
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Sheet	3	of	4	Attorney Docket Number	ESCL-P01-124

B	BF	Mather, J.P. et al. Activins, Inhibins, and Follistatins: Further Thoughts on a Growing Family of Regulators. P.S.E.B.M. 215, 209-222 (1997).	
	BG	Nielsen, J.H. et al. Beta cell proliferation and growth factors. J. Mol. Med. 77, 62-66 (1999).	
	BH	Offield, M.F. et al. PDX-1 is required for pancreatic outgrowth and differentiation of the rostral duodenum. Development 122, 983-995 (1996).	
	BI	Peck, A.B. et al. Use of In Vitro-Generated, Stem Cell-Derived Islets to Cure Type 1 Diabetes. Ann. N.Y. Acad. Sci. 958, 59-68 (2002).	
	BJ	Perry, D. Patients' Voices: The Powerful Sound in the Stem Cell Debate. Science 287, 1423 (25 Feb. 2000).	
	BK	Peters, C.T. et al. A Glucagon-Like Peptide-1 Receptor Agonist and an Antagonist Modify Macronutrient Selection by Rats. J. Nutr. 131, 2164-2170 (2001).	
	BL	Petrovsky, N. et al. Prospects for the Prevention and Reversal of Type 1 Diabetes Mellitus. Drugs 62, 2617-2635 (2002).	
	BM	Phillips, D.J. and de Kretser, D.M. Follistatin: A Multifunctional Regulatory Protein. Frontiers Neuroendocrinol. 19, 287-322 (1998).	
	BN	Rosenberg, L. In Vivo Cell Transformation: Neogenesis of Beta Cells From Pancreatic Ductal Cells. Cell Transplant. 4(4), 371-383 (1995).	
	BO	Schneyer, A. et al. Follistatin-related protein (FSRP): a new member of the follistatin gene family. Mol. Cell. Endocrinol. 180, 33-38 (2001).	
	BP	Secchi, A. et al. Pancreas and Islet Transplantation: Current Progresses, Problems and Perspectives. Horm. Metab. Res. 29, 1-8 (1997).	
	BQ	Sutherland, D.E.R. Pancreas and Islet Cell Transplantation: Now and Then. Transplant. Proc. 28(4), 2131-2133 (Aug. 1996).	
	BR	Tourrel, C. et al. Glucagon-Like Peptide-1 and Exendin-4 Stimulate Beta-Cell Neogenesis in Streptozotocin-Treated Newborn Rats Resulting in Persistently Improved Glucose Homeostasis at Adult Age. Diabetes 50, 1562-1570 (July 2001).	
	BS	Tourrel, C. et al. Persistent Improvement of Type 2 Diabetes in the Goto-Kakizaki Rat Model by Expansion of the Beta-Cell Mass During the Prediabetic Period with Glucagon-Like Peptide-1 or Exendin-4. Diabetes 51, 1443-1452 (May 2002).	
	BT	Van Nest, G. et al. Effects of Dexamethasone and 5-Bromodeoxyuridine on Protein Synthesis and Secretion during In Vitro Pancreatic Development. Dev. Biol. 98, 295-303 (1983).	
	BU	Wankell, M. et al. The activin binding proteins follistatin and follistatin-related protein are differentially regulated in vitro and during cutaneous wound repair. J. Endocrinol. 171, 385-395 (2001).	
✓	BV	Weir, G.C. and Bonner-Weir, S. Scientific and Political Impediments to Successful Islet Transplantation. Diabetes 46(8), 1247-1256 (Aug. 1997).	

Examiner Signature	<i>Diana Clarke</i>	Date Considered	8/4/06
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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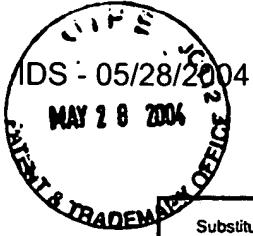
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Sheet	4	of	4	Attorney Docket Number	ESCL-P01-124

	BW	Welt, C. et al. Activins, Inhibins, and Follistatins: From Endocrinology to Signaling. A Paradigm for the New Millennium. Exp. Biol. Med. 227, 724-752 (2002).	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS					
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		Number-Kind Code ² (if known)	MM-DD-YYYY		
U	AA	6,448,045 B1	09-10-2002	Levine et al	
	AB	US 2003/0138951 A1	07-24-2003	Yin	
	AC	6,242,666 B1	06-05-2001	Sarvetnick et al.	

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Examiner Initials ³	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials ⁸	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²

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